Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/18/2017 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124159	-1	1.64	124024	1.61
Blue	F	SSC	125000	124055	-1	2.63	124417	2.34
Blue	E	FITC	21625	20995	-3	2.40	929	10.12
Blue	D	PE	26832	26239	-3	1.94	942	9.57
Blue	B	PerCP-Cy5-5	48027	46970	-3	3.23	1345	16.46
Blue	A	PE-Cy7	40971	40232	-2	4.97	619	35.72
Red	C	APC	49746	49363	-1	2.79	2864	9.40
Red	A	APC-Cy7	53615	52508	-3	2.84	1085	11.30
Violet	B	V450	14488	13961	-4	5.93	667	10.10
Violet	A	V500	55123	53763	-3	5.79	2374	7.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19531	6.04	607	9	N/A	N/A	Pass
Blue	F	SSC	61717	1.54	536	2	N/A	N/A	Pass
Blue	E	FITC	107	38.44	536	0	0.0216	194	Pass
Blue	D	PE	207	29.27	531	0	0.1784	301	Pass
Blue	B	PerCP-Cy5-5	212	44.20	628	-1	0.0108	123	Pass
Blue	A	PE-Cy7	68	116.90	678	-3	0.0117	11	Pass
Red	C	APC	333	27.10	587	-7	0.0204	39	Pass
Red	A	APC-Cy7	119	41.34	571	-9	0.0055	1800	Pass
Violet	B	V450	80	43.31	466	-5	0.0454	1952	Pass
Violet	A	V500	173	23.29	491	-5	0.0157	651	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.70	-31.19	0.91
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.32
Red	17.73	13.27 - 19.91	N/A	N/A	31.39	31.76	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10571

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments